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Language : Fortran **Revised:**

Dynamic Data Structure and Memory Manager

ZEBRA is a dynamic data structure and memory manager. It allows the management of large amounts of data in a computer store by providing the functions required to construct a logical graph of the data and their interrelations.

The data are stored in Fortran COMMON blocks, called ”stores”. Each store can be subdivided into up to 20 ”divisions”. Relations between the basic units of data, or ”banks”, are expressed by attaching a structural significance to part of a bank. A bank is accessed by specifying its address in a given store. Such addresses (called ”links”) are kept inside the banks or in ”link areas” inside a common block.

- The memory management part of ZEBRA is performed by the MZ package. Utilities are available for reorganizing, sorting and deleting banks and data structures.
- Individual banks, data structures or complete divisions can be output with the FZ package.
- Direct access files for data structures and the management of the data by keywords are provided by the RZ package.
- Dumps and verification of ZEBRA structures and documentation tools are available in the DZ package.

Structure:

SUBROUTINE subprograms
User Entry Names: ZEBRA
External References: KERNLIB (Q100) routines

Usage:

See **Long Write-up.**
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